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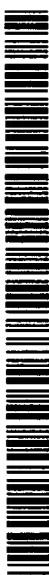
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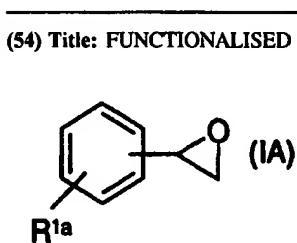
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(57) Abstract: A method for applying a reactive epoxy containing coating to a substrate, said method comprising subjecting said substrate to a plasma discharge in the presence of a compound of formula (I) or (IA) where R¹ or R^{1a} is an optionally substituted hydrocarbyl group or heterocyclic group; R² is an optionally substituted straight or branched alkylene chain; and Y is oxygen or a bond. Surfaces obtained in this way may subsequently be derivatised as desired, or adhered to other surfaces.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 B05D7/24 C08G65/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 B05D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 1 037 144 A (INTERNATIONAL BUSINESS MACINES CORPORATION) 27 July 1966 (1966-07-27) page 1, line 16-37 page 2, line 26-34 page 2, line 63-73 -----	1-4, 8, 20
Y	FR 2 581 991 A (INST NAT RECH CHIMIQUE) 21 November 1986 (1986-11-21) page 3, line 10-14 page 4, line 1-7 claims 2,8; examples 1,3-5 -----	5-7, 9-19
Y	US 5 876 753 A (TIMMONS RICHARD B ET AL) 2 March 1999 (1999-03-02) column 3, line 62 -column 4, line 27; claim 1 column 6, line 27-45 -----	9-19
Y	-----	5-7



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Patent family members are listed in annex.

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Information on patent family members

In.	national Application No
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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
GB 1037144 A		DE 1571001 A		12-02-1970
		FR 1426406 A		13-04-1966
		US 3297465 A		10-01-1967
FR 2581991 A	21-11-1986	DE 3667275 D		11-01-1990
		EP 0218722 A		22-04-1987
		WO 8606716 A		20-11-1986
		JP 63500183 T		21-01-1988
US 5876753 A	02-03-1999	AU 2735597 A		07-11-1997
		CA 2253408 A		23-10-1997
		CN 1221359 A		30-06-1999
		EP 0904157 A		31-03-1999
		WO 9738801 A		23-10-1997